BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of CC road balance cross roads of MIG 3rd Phase in Ward No. 04 of Yelahanka Satellite Town Sub Division

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Mathru Layout								
	Cross Road-16, 19th B cross		2	112.00	1.20	1.10	295.68		
	Cross Road-18		2	90.00	1.20	1.10	237.60		
	For RCC Culvert		2	5.50	1.50	1.10	18.15		
							551.43	215.28	**118711.85**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Drain	Cum							
	Mathru Layout								
	Cross Road-16, 19th B cross		2	112.00	1.20	0.15	40.32		
	Cross Road-18		2	90.00	1.20	0.15	32.40		
	For RCC Culvert		2	5.50	1.50	0.15	2.48		
	For Concrete Road								
	Mathru Layout								
	Road-A		1	30.00	3.00	0.15	13.50		
	Road-B		1	20.00	2.00	0.15	6.00		
	Cross Road-1		1	172.00	3.90	0.15	100.62		
	Cross Road-2		1	40.00	4.00	0.15	24.00		
	Cross Road-3		1	42.00	3.80	0.15	23.94		
	Cross Road-4		1	18.00	3.60	0.15	9.72		
	Cross Road-5		1	18.00	3.60	0.15	9.72		
	Cross Road-6		1	42.00	3.70	0.15	23.31		
	Cross Road-7		1	42.00	3.40	0.15	21.42		
	Cross Road-8		1	18.00	3.00	0.15	8.10		
	Cross Road-9		1	19.00	3.00	0.15	8.55		
	Cross Road-10		1	10.00	2.40	0.15	3.60		
	Cross Road-11		1	159.00	3.50	0.15	83.48		
	Cross Road-12		1	136.00	3.50	0.15	71.40		
	Cross Road-13		1	100.00	3.50	0.15	52.50		
	Cross Road-14		1	130.00	3.20	0.15	62.40		
	Cross Road-15		1	111.00	4.20	0.15	69.93		
	Cross Road-16, 19th B cross		1	112.00	4.20	0.15	70.56		
	Cross Road-18		1	90.00	4.00	0.15	54.00		
							791.94	5421.90	**4293819.49**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Mathru Layout								
	Bottom slab								
	Cross Road-16, 19th B cross		2	112.00	1.10	0.15	36.96		
	Cross Road-18		2	90.00	1.10	0.15	29.70		
	side walls								
	Cross Road-16, 19th B cross		4	112.00	0.15	0.60	40.32		
	Cross Road-18		4	90.00	0.15	0.60	32.40		
							139.38		
	For RCC Culvert								
	Raft		2	5.50	1.20	0.20	2.64		
	side walls		4	5.50	0.20	0.60	2.64		
							5.28		
					Net Qty.		**144.66**	7070.20	**1022775.13**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 70 kg / cum	Tonne		139.38	0.070	--	9.76		
	Considering steel For Culvert & Slab @ 110 kg / cum			5.28	0.110	--	0.58		
							10.34	73992.24	**764887.38**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Mathru Layout								
	Cross Road-16, 19th B cross		2	112.00	0.90	--	201.60		
	Cross Road-18		2	90.00	0.90	--	162.00		
							363.60	2337.00	**849733.20**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	2	5.50	1.20	--	**13.20**	5418.00	**71517.60**
7	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 metrers, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202.(I No-18.47,P No-140) Loading and unloading with 8km lead								
	For Concrete Road	Cum							
	Mathru Layout								
	Road-A		1	30.00	3.00	0.20	18.00		
	Road-B		1	20.00	2.00	0.20	8.00		
	Cross Road-1		1	172.00	3.90	0.20	134.16		
	Cross Road-2		1	40.00	4.00	0.20	32.00		
	Cross Road-3		1	42.00	3.80	0.20	31.92		
	Cross Road-4		1	18.00	3.60	0.20	12.96		
	Cross Road-5		1	18.00	3.60	0.20	12.96		
	Cross Road-6		1	42.00	3.70	0.20	31.08		
	Cross Road-7		1	42.00	3.40	0.20	28.56		
	Cross Road-8		1	18.00	3.00	0.20	10.80		
	Cross Road-9		1	19.00	3.00	0.20	11.40		
	Cross Road-10		1	10.00	2.40	0.20	4.80		
	Cross Road-11		1	159.00	3.50	0.20	111.30		
	Cross Road-12		1	136.00	3.50	0.20	95.20		
	Cross Road-13		1	100.00	3.50	0.20	70.00		
	Cross Road-14		1	130.00	3.20	0.20	83.20		
	Cross Road-15		1	111.00	4.20	0.20	93.24		
	Cross Road-16, 19th B cross		1	112.00	4.20	0.20	94.08		
	Cross Road-18		1	90.00	4.00	0.20	72.00		
							955.66	973.42	**930258.56**
	Basic Rate Rs.=	899.00							
	Add 6% A.W Rs. =	53.94							
	Sub Total =	952.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)	20.48							
	Total Rate Rs. =	**973.42**							
8	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143) Loading and unloading with 8km lead								
	Debris/ Loose soil	Cum							
	Mathru Layout								
	Road-A		1	30.00	3.00	0.30	27.00		
	Road-B		1	20.00	2.00	0.30	12.00		
	Cross Road-1		1	172.00	3.90	0.30	201.24		
	Cross Road-2		1	40.00	4.00	0.30	48.00		
	Cross Road-3		1	42.00	3.80	0.30	47.88		
	Cross Road-4		1	18.00	3.60	0.30	19.44		
	Cross Road-5		1	18.00	3.60	0.30	19.44		
	Cross Road-6		1	42.00	3.70	0.30	46.62		
	Cross Road-7		1	42.00	3.40	0.30	42.84		
	Cross Road-8		1	18.00	3.00	0.30	16.20		
	Cross Road-9		1	19.00	3.00	0.30	17.10		
	Cross Road-10		1	10.00	2.40	0.30	7.20		
	Cross Road-11		1	159.00	3.50	0.30	166.95		

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Cross Road-12		1	136.00	3.50	0.30	142.80		
	Cross Road-13		1	100.00	3.50	0.30	105.00		
	Cross Road-14		1	130.00	3.20	0.30	124.80		
	Cross Road-15		1	111.00	4.20	0.30	139.86		
	Cross Road-16, 19th B cross		1	112.00	4.20	0.30	141.12		
	Cross Road-18		1	90.00	4.00	0.30	108.00		
							1433.49	63.94	**91657.35**
	Basic Rate Rs.=	41.00							
	Add 6% A.W Rs. =	2.46							
	Sub Total =	43.46							
	8Km Lead, Loading and Unloading =(2*1.28*8)	20.48							
	Total Rate Rs. =	**63.94**							
9	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305								
	For Concrete Road	Cum							
	Mathru Layout								
	Road-A		1	30.00	3.00	0.15	13.50		
	Road-B		1	20.00	2.00	0.15	6.00		
	Cross Road-1		1	172.00	3.90	0.15	100.62		
	Cross Road-2		1	40.00	4.00	0.15	24.00		
	Cross Road-3		1	42.00	3.80	0.15	23.94		
	Cross Road-4		1	18.00	3.60	0.15	9.72		
	Cross Road-5		1	18.00	3.60	0.15	9.72		
	Cross Road-6		1	42.00	3.70	0.15	23.31		
	Cross Road-7		1	42.00	3.40	0.15	21.42		
	Cross Road-8		1	18.00	3.00	0.15	8.10		
	Cross Road-9		1	19.00	3.00	0.15	8.55		
	Cross Road-10		1	10.00	2.40	0.15	3.60		
	Cross Road-11		1	159.00	3.50	0.15	83.48		
	Cross Road-12		1	136.00	3.50	0.15	71.40		
	Cross Road-13		1	100.00	3.50	0.15	52.50		
	Cross Road-14		1	130.00	3.20	0.15	62.40		
	Cross Road-15		1	111.00	4.20	0.15	69.93		
	Cross Road-16, 19th B cross		1	112.00	4.20	0.15	70.56		
	Cross Road-18		1	90.00	4.00	0.15	54.00		
							716.75	344.50	**246918.65**
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	For Concrete Road	Cum							
	Cut portion restoration								
	Mathru Layout								
	Cross Road-1		1	172.00	1.50	0.20	51.60		
	Cross Road-2		1	40.00	1.50	0.20	12.00		
	Cross Road-3		1	42.00	1.50	0.20	12.60		
	Cross Road-4		1	18.00	1.50	0.20	5.40		
	Cross Road-5		1	18.00	1.50	0.20	5.40		
	Cross Road-6		1	42.00	1.50	0.20	12.60		
	Cross Road-7		1	42.00	1.50	0.20	12.60		
	Cross Road-8		1	18.00	1.50	0.20	5.40		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Cross Road-9		1	19.00	1.50	0.20	5.70		
	Cross Road-10		1	10.00	1.50	0.20	3.00		
	Cross Road-11		1	159.00	1.50	0.20	47.70		
	Cross Road-12		1	136.00	2.00	0.20	54.40		
	Cross Road-13		1	100.00	1.60	0.20	32.00		
	Cross Road-14		1	130.00	1.60	0.20	41.60		
	Cross Road-15		1	111.00	1.50	0.20	33.30		
	Cross Road-16, 19th B cross		1	112.00	1.50	0.20	33.60		
	Cross Road-18		1	90.00	1.50	0.20	27.00		
							395.90	1994.92	**789788.83**
	Basic Rate Rs.=	1882.00							
	Add 6% A.W Rs. =	112.92							
	Total Rate Rs. =	**1994.92**							
11	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-176,I No-22.6.1)								
	For Concrete Road	Cum							
	Mathru Layout								
	Road-A		1	30.00	3.00	0.15	13.50		
	Road-B		1	20.00	2.00	0.15	6.00		
	Cross Road-1		1	172.00	3.90	0.15	100.62		
	Cross Road-2		1	40.00	4.00	0.15	24.00		
	Cross Road-3		1	42.00	3.80	0.15	23.94		
	Cross Road-4		1	18.00	3.60	0.15	9.72		
	Cross Road-5		1	18.00	3.60	0.15	9.72		
	Cross Road-6		1	42.00	3.70	0.15	23.31		
	Cross Road-7		1	42.00	3.40	0.15	21.42		
	Cross Road-8		1	18.00	3.00	0.15	8.10		
	Cross Road-9		1	19.00	3.00	0.15	8.55		
	Cross Road-10		1	10.00	2.40	0.15	3.60		
	Cross Road-11		1	159.00	3.50	0.15	83.48		
	Cross Road-12		1	136.00	3.50	0.15	71.40		
	Cross Road-13		1	100.00	3.50	0.15	52.50		
	Cross Road-14		1	130.00	3.20	0.15	62.40		
	Cross Road-15		1	111.00	4.20	0.15	69.93		
	Cross Road-16, 19th B cross		1	112.00	4.20	0.15	70.56		
	Cross Road-18		1	90.00	4.00	0.15	54.00		
							716.75	5210.96	**3734929.53**
	Basic Rate Rs.=	4916.00							
	Add 6% A.W Rs. =	294.96							
	Total Rate Rs. =	**5210.96**							
12	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. (Page No 176 Item No 22.7)								
	For Concrete Road	Sqm							
	Mathru Layout								
	Road-A		1	30.00	3.00		90.00		
	Road-B		1	20.00	2.00		40.00		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Cross Road-1		1	172.00	3.90		670.80		
	Cross Road-2		1	40.00	4.00		160.00		
	Cross Road-3		1	42.00	3.80		159.60		
	Cross Road-4		1	18.00	3.60		64.80		
	Cross Road-5		1	18.00	3.60		64.80		
	Cross Road-6		1	42.00	3.70		155.40		
	Cross Road-7		1	42.00	3.40		142.80		
	Cross Road-8		1	18.00	3.00		54.00		
	Cross Road-9		1	19.00	3.00		57.00		
	Cross Road-10		1	10.00	2.40		24.00		
	Cross Road-11		1	159.00	3.50		556.50		
	Cross Road-12		1	136.00	3.50		476.00		
	Cross Road-13		1	100.00	3.50		350.00		
	Cross Road-14		1	130.00	3.20		416.00		
	Cross Road-15		1	111.00	4.20		466.20		
	Cross Road-16, 19th B cross		1	112.00	4.20		470.40		
	Cross Road-18		1	90.00	4.00		360.00		
							4778.30	72.08	**344419.86**
	Basic Rate Rs.=	68.00							
	Add 6% A.W Rs. =	4.08							
	Total Rate Rs. =	**72.08**							
	Add GST @ 12%						Sub Total 1 Rs.		**13259417.43**
	PMC Charges								**1591130.09**
									149000.00
	Miscellaneous & Rounding off						Sub Total 2 Rs.		**14999547.52**
									452.48
	CERTIFICATE:							Total Rs.	**15000000.00**

1 The work spot has been inspected by me and the work is found to be necessary

2 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-201 9and Data Rates

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

me of Work: Construction of CC drains main and cross roads of A & B sector in Ward No. 04 of Yelahanka Satellite Town Sub Division

Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
			m	m	m		in Rs	in Rs
KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
For RCC Drain	Cum							
12th A main								
LHS		1	522.00	1.10	1.00	574.20		
RHS		1	580.00	1.10	1.00	638.00		
For RCC Culvert		10	7.40	1.50	0.85	94.35		
						1306.55	215.28	**281274.08**
Basic Rate Rs.=	130.00							
Add 6% A.W Rs. =	7.80							
Sub Total =	137.80							
Km Lead, Loading and Unloading (2*1.28*8)+57	77.48							
Total Rate Rs. =	**215.28**							
SRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, ith crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine ggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by oration including curing for 14 days including cost of all materials, labour, HOM curing, form works, affolding and centering complete as per specifications. (P.No-222,I No-27.18)								
or Drain	Cum							
th A main								
IS		1	522.00	1.10	0.15	86.13		
HS		1	580.00	1.10	0.15	95.70		
r RCC Culvert		10	7.40	1.50	0.15	16.65		
						198.48	5421.90	**1076138.71**
Basic Rate Rs.=	5115.00							
Add 6% A.W Rs. =	306.90							
Total Rate Rs. =	**5421.90**							
oviding and laying plain/reinforced cement concrete for side drains using M20 nominal mix crete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 n and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including tring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
RCC Drain	Cum							
n A main								
tom slab								
		1	522.00	0.90	0.15	70.47		
walls		1	580.00	0.90	0.15	78.30		
		2	522.00	0.15	0.60	93.96		
		2	580.00	0.15	0.60	104.40		
RCC Culvert						**347.13**		
walls		10	7.40	1.50	0.20	22.20		
		20	7.40	0.25	0.60	22.20		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
							44.40		
					Net Qty.		391.53	7070.20	2768195.41
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		347.13	0.060	--	20.83		
	Considering steel For Culvert & Slab @ 90 kg / cum			44.40	0.090	--	4.00		
							24.82	73992.24	**1836768.57**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	12th A main								
	LHS								
	RHS		1	522.00	0.90	--	469.80		
			1	580.00	0.90	--	522.00		
							991.80		
	Deduct 35% available						347.13		
							644.67	2337.00	**1506593.79**
	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	10	7.40	1.50	--	**111.00**	5418.00	**601398.00**
	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	For Drain	Nos							
	12th A main								
	LHS								
	RHS		1	522.00			522.00		
			1	580.00			580.00		
							1102.00		
	Deduct 30% available						**2449.00**		
							734.70		
							1714.30	432.48	**741400.46**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Drain	Sqm							
	12th A main								
	LHS		1	522.00	0.30		156.60		
	RHS		1	580.00	0.30		174.00		
							330.60	84.80	**28034.88**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
	Add GST @ 12%						Sub Total 1 Rs.		**8839803.90**
	PMC Charges								**1060776.47**
									99000.00
	Miscellaneous & Rounding off						Sub Total 2 Rs.		**9999580.37**
									419.63
	CERTIFICATE:							Total Rs.	**10000000.00**

1 The work spot has been inspected by me and the work is found to be necessary.

2 The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 21-10-201 9and Data Rates

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Assistant Engineer
Ward 04
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP